

# JAG SINGH

(206) 304-3009 | [jagrajs@icloud.com](mailto:jagrajs@icloud.com) | [LinkedIn](#) | [GitHub](#) | [Website](#)

## PROJECTS

### Cryptocurrency Lottery

Built a text based lottery game to demonstrate the security of cryptocurrency private keys.

**Skills:** Python, Cryptographic Libraries, Blockchain APIs

### Attacks on Apéry's Constant

Ongoing attempt at solving a 375 year old problem in pure mathematics.

**Skills:** Python, LaTeX, Mathematical Analysis, Technical Writing

### Social Security Number Generator

A GUI random number generator built using Python to illustrate the SSN numbering scheme.

**Skills:** Python, GUI

## EXPERIENCE

### *Product Advisor*

*May 2018 - Present*

**Microsoft** | Bellevue, WA

- Deliver tours, workshops, and personal trainings to educate and inspire clients.
- Demonstrate dozens of Microsoft products and services including XBOX and HoloLens.
- Generate business leads to increase sales revenue and create lifetime client value.
- Provide technical support in diagnosing, troubleshooting, and resolving common problems.

## EDUCATION

**Bachelor of Arts in Communication** | University of Washington

*2014 - 2017*

- Coursework included advanced public speaking and a concentration in mathematics.

## SKILLS

**Programming Languages:** Python, R

**Database Management:** SQL

**Engineering Software:** MATLAB/Octave

**Markup & Web:** LaTeX, HTML, CSS

**Productivity:** Microsoft Office 365, Apple iWork, Google G Suite

**Languages:** English, Punjabi